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NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
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NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

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FILE 'HOME' ENTERED AT 17:58:52 ON 12 MAY 2008

=> FILE CASREACT
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'CASREACT' ENTERED AT 17:59:31 ON 12 MAY 2008
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FILE CONTENT:1840 - 10 May 2008 VOL 148 ISS 20

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**************************************************************
*                                                            *
*     CASREACT now has more than 13.8 million reactions      *
*                                                            *
**************************************************************

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999)
provided by InfoChem, INPI data prior to 1986, and Biotransformations
database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance
identification.

=>
Uploading C:\Program Files\Stnexp\Queries\AL1.str product

L1      STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\AL1.str reactant/reagent

L2      STRUCTURE UPLOADED

=> S L1 FULL
FULL SEARCH INITIATED 18:00:27 FILE 'CASREACT'
SCREENING COMPLETE -    23160 REACTIONS TO VERIFY FROM     5791 DOCUMENTS

100.0% DONE   23160 VERIFIED    4735 HIT RXNS                    1392 DOCS
SEARCH TIME: 00.00.01

L3         1392 SEA SSS FUL L1 (  4735 REACTIONS)

=> S L3 AND LITHIUM METAL
         25160 LITHIUM
         51803 METAL
           106 LITHIUM METAL
                 (LITHIUM(W)METAL)
L4           6 L3 AND LITHIUM METAL

=> D L4 IBIB ABS CRD 1-6


L4   ANSWER 1 OF 6  CASREACT  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        143:248504  CASREACT
TITLE:                   Method for producing alkyl lithium compounds and aryl
```

lithium compounds by monitoring the reaction by means of ir-spectroscopy

INVENTOR(S): Weiss, Wilfried; Dawidowski, Dirk; Pleyer, Walter; Krueckel, Frank

PATENT ASSIGNEE(S): Chemetall G.m.b.H., Germany

SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

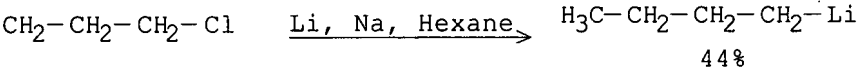
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005082911	A1	20050909	WO 2005-EP1954	20050224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004009445	A1	20050929	DE 2004-102004009445	20040227
EP 1723153	A1	20061122	EP 2005-733858	20050224
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1922192	A	20070228	CN 2005-80005827	20050224
IN 2006CN03106	A	20070608	IN 2006-CN3106	20060825
US 20070152354	A1	20070705	US 2006-589715	20061023

PRIORITY APPLN. INFO.: DE 2004-102004009445 20040227
WO 2005-EP1954 20050224

OTHER SOURCE(S): MARPAT 143:248504

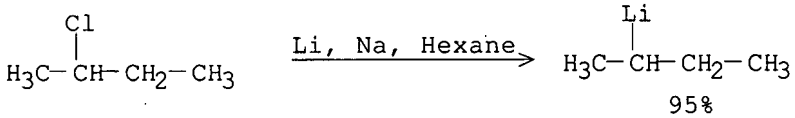
AB The invention relates to a method for producing alkyl lithium compds. and aryl lithium compds. by reacting lithium metal with alkyl or aryl halogenides in a solvent, the concentration of the alkyl/aryl halogenide and the alkyl/aryl lithium compound being detected according to an in-line measurement in the reactor by IR spectroscopy, and an exact recognition of the end point of the dosing of the halogenide constituents being carried out by evaluation of the IR measurement. Said method enables an optimum reactive process and reaction yield. The identification of the resp. concentration of the adduct and the product is a reliable reactive process. The yield of the reaction is also optimized by determining the end point of the halogenide dosing, as is the purity of the product due to a lower concentration thereof during the reaction.

RX(1) OF 5



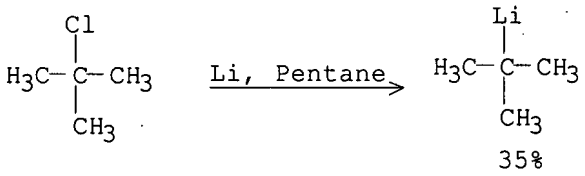
CON: 280 minutes, room temperature

RX(2) OF 5



CON: 75 minutes, 40 deg C, 290 atm

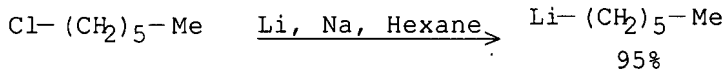
RX(3) OF 5



35%

NOTE: tert-butyllithium mediated
CON: 144 minutes, room temperature

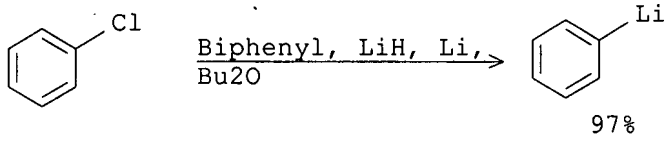
RX(4) OF 5



95%

CON: 40 deg C, 290 atm

RX(5) OF 5



97%

CON: 4 hours, 35 deg C

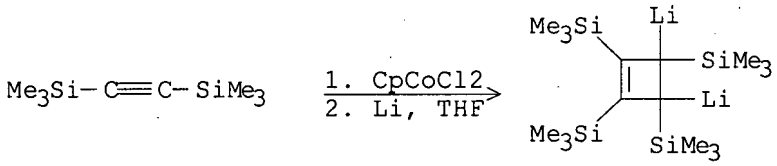
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CASREACT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 142:114226 CASREACT
TITLE: Tetrasilyl-substituted cyclobutadiene dianion dilithium salt: synthesis and structure
AUTHOR(S): Sekiguchi, A.; Matsuo, T.; Tanaka, M.; Watanabe, H.; Nakamoto, M.
CORPORATE SOURCE: Department of Chemistry, University of Tsukuba, Tsukuba, Ibaraki, 305 8571, Japan
SOURCE: Russian Chemical Bulletin (Translation of Izvestiya Akademii Nauk, Seriya Khimicheskaya) (2004), 53(5), 1109-1115
CODEN: RCBUEY; ISSN: 1066-5285
PUBLISHER: Kluwer Academic/Consultants Bureau
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The reaction of tetrakis(trimethylsilyl)cyclobutadienylcyclopentadienyl cobalt complex (Me3Si)4C4CoCp with lithium metal in THF yielded the dilithium salt of cyclobutadiene dianion CBD2- stabilized by four trimethylsilyl groups, Li+2[(Me3Si)4C4]2-. The bridged CBD2- dianion was also synthesized by a similar procedure starting from the bridged cobalt complex, which was prepared from the reaction of 2,2,5,5,8,8,11,11-octamethyl-2,5,8,11-tetrasilacyclododeca-1,6-diyne with CpCo(CO)2 in refluxing octane. The aromaticity of the CBD2- is discussed on the basis of the structural characteristics and magnetic properties.

RX(1) OF 6 - REACTION DIAGRAM NOT AVAILABLE

RX(5) OF 6 - 2 STEPS



100%

CON: STEP(1) 5 days, reflux
STEP(2) 24 hours, room temperature

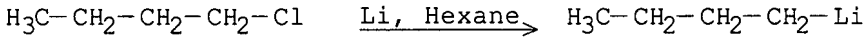
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CASREACT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 136:232391 CASREACT
TITLE: Chemical process and plant for n-butyl lithium manufacture
INVENTOR(S): Buckley, Glyn Jeffrey; Stairmand, John William; Bowe, Michael Joseph
PATENT ASSIGNEE(S): Accentus PLC, UK
SOURCE: PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002020151	A1	20020314	WO 2001-GB3982	20010905
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001084277	A	20020322	AU 2001-84277	20010905
EP 1320413	A1	20030625	EP 2001-963247	20010905
EP 1320413	B1	20060405		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004508171	T	20040318	JP 2002-524623	20010905
US 20030168330	A1	20030911	US 2003-343786	20030204
US 6841095	B2	20050111		
PRIORITY APPLN. INFO.:			GB 2000-22016	20000908
			WO 2001-GB3982	20010905

AB A chemical plant for performing a chemical reaction between particles of a material such as lithium metal, and a reagent such as Bu chloride in solution in hexane, in which one reaction product is a solid material, includes a reaction vessel. Several ultrasonic transducers are attached to a wall of the vessel to irradiate ultrasonic waves into the vessel, the vessel being large enough that each transducer irradiates into fluid at least 0.1 m thick, each transducer irradiating no >3 W/cm2, and the transducers being sufficiently close to each other and the number of transducers being sufficiently high that the poser dissipation within the vessel is at least 10 W/L but no >200 W/L. The high intensity of ultrasound ensures that lithium chloride is cleaned off the surface of the lithium metal particles throughout the vessel.

RX(1) OF 1



NOTE: ultrasound, industrial scale, ultrasound is used to break the byproduct lithium chloride off of the lithium metal

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

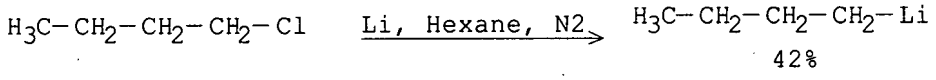
L4 ANSWER 4 OF 6 CASREACT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 129:149087 CASREACT
TITLE: Preparation of alkyllithiums
INVENTOR(S): Iwao, Tetsuya; Yamamura, Kiyoshi
PATENT ASSIGNEE(S): Mitsui Petrochemical Industries, Ltd., Japan; Mitsui Chemicals Inc.
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10182658	A	19980707	JP 1996-345795	19961225
JP 3570835	B2	20040929		

PRIORITY APPLN. INFO.: JP 1996-345795 19961225

AB Alkyllithiums are prepared by reaction of alkyl halides with Li containing ≤500 ppm N. BuCl was reacted with Li containing 160 ppm N in hexane at room temperature for 30-40 min, then filtered for 1 min to give 42% BuLi.

RX(1) OF 1



NOTE: room temp. 30-40 min

L4 ANSWER 5 OF 6 CASREACT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 123:112396 CASREACT
TITLE: Process of preparing trimethylsilyloxy functionalized alkyllithium compounds
INVENTOR(S): Schwindeman, James A.
PATENT ASSIGNEE(S): FMC Corp., USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5403946	A	19950404	US 1994-279721	19940725
US 5543540	A	19960806	US 1994-341822	19941121
WO 9603408	A1	19960208	WO 1995-US9256	19950724

W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ,

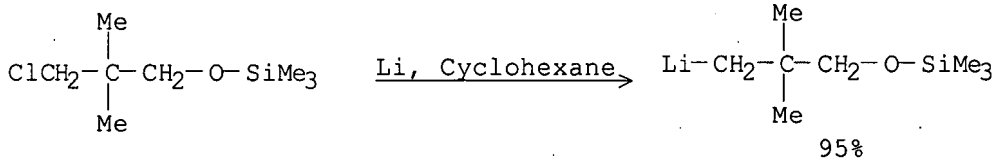
TT, UA
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9531410	A	19960222	AU 1995-31410	19950724
EP 800525	A1	19971015	EP 1995-927358	19950724
EP 800525	B1	20030409		
R: DE, FR, GB, NL				
JP 10504813	T	19980512	JP 1996-505889	19950724
US 5912378	A	19990615	US 1997-851324	19970505
PRIORITY APPLN. INFO.:			US 1994-279721	19940725
			US 1994-341822	19941121
			WO 1995-US9256	19950724
			US 1996-637192	19960408

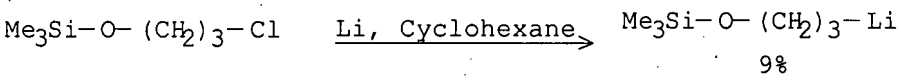
OTHER SOURCE(S): MARPAT 123:112396

AB A process for producing compds. of the formula Me3SiORLi (R = C2-10 alkyl, C6-10 aryl) by reacting haloalc. HORX (R = same, X = Cl, Br) with hexamethyldisilazane, in an inert atmospheric in hydrocarbon solvent, at a temperature between 20° and reflux temperature of the solvent followed by lithiation with powdered lithium metal, is described. Thus, reaction of 3-chloro-2,2-dimethyl-1-propanol with hexamethyldisilazane in cyclohexane gave 3-chloro-2,2-dimethyl-1-trimethylsiloxypropane which on lithiation with lithium dispersion gave title compound, 3-chloro-2,2-dimethyl-1-trimethylsiloxypropyllithium.

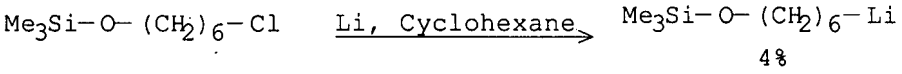
RX(4) OF 9



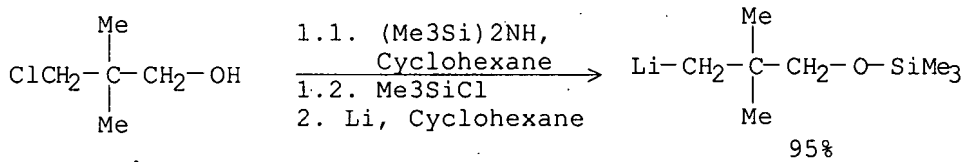
RX(5) OF 9



RX(6) OF 9

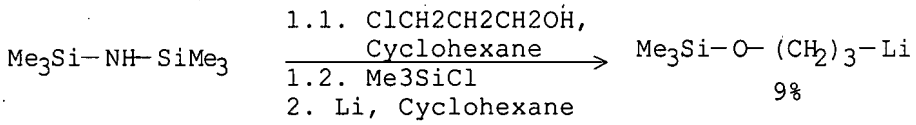


RX(7) OF 9 - 2 STEPS



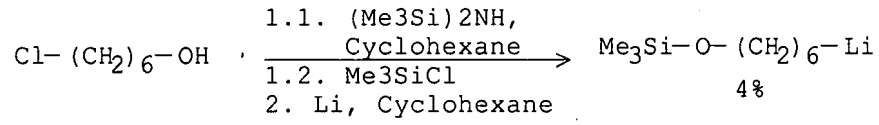
NOTE: 1) TMS-CL ADDED IN TWO BATCHES WITH HEATING BETWEEN ADDITIONS

RX(8) OF 9 - 2 STEPS



NOTE: 1) TMS-CL ADDED IN TWO BATCHES WITH HEATING BETWEEN ADDITIONS

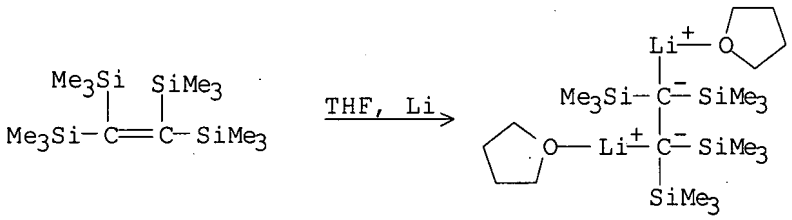
RX(9) OF 9 - 2 STEPS



NOTE: 1) TMS-CL ADDED IN TWO BATCHES WITH HEATING BETWEEN ADDITIONS

L4 ANSWER 6 OF 6 CASREACT COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 110:212879 CASREACT
TITLE: Isolation and characterization of 1,2-dilithio[tetrakis(trimethylsilyl)]ethane. The first crystal structure of nonconjugated 1,2-dilithioethane
AUTHOR(S): Sekiguchi, Akira; Nakanishi, Tetsuo; Kabuto, Chizuko; Sakurai, Hideki
CORPORATE SOURCE: Fac. Sci., Tohoku Univ., Sendai, 980, Japan
SOURCE: Journal of the American Chemical Society (1989), 111(10), 3748-50
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Careful reduction of tetrakis(trimethylsilyl)ethylene with lithium metal in THF gave thea very hygroscopic and air sensitive title compound (I), the first nonconjugated 1,2-dilithioethane derivative NMR spectra, chemical reactions, and x-ray crystallog. data of I are described.

RX(1) OF 8



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---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	160.34	160.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.50	-4.50

STN INTERNATIONAL LOGOFF AT 18:03:08 ON 12 MAY 2008